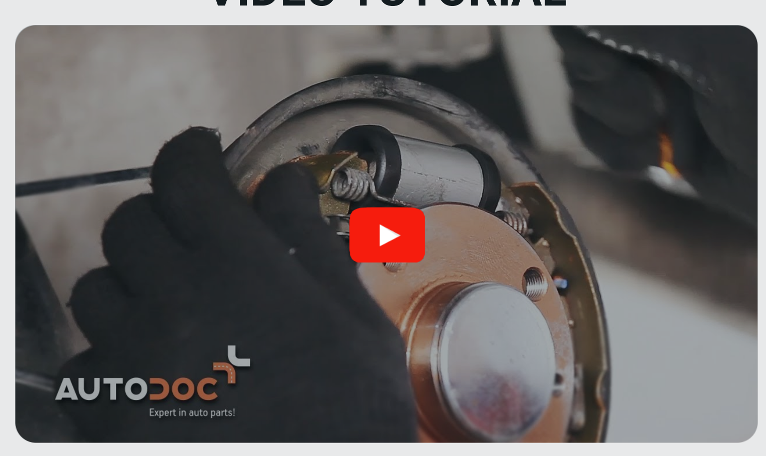
AUTODOC CLUB

How to change wheel cylinder on **Fiat Punto 188** – replacement guide





VIDEO TUTORIAL



Important!

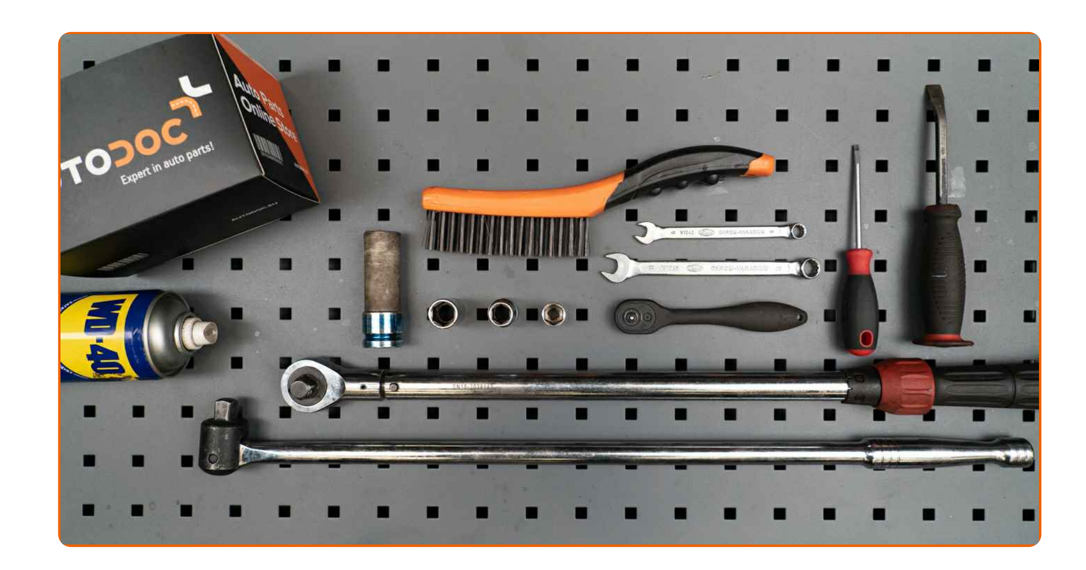
This replacement procedure can be used for:
FIAT GRANDE PUNTO (199) 1.3 D Multijet, FIAT PUNTO (188) 1.2 60, FIAT PUNTO (188) 1.2 16V 80, FIAT PUNTO (188) 1.9 JTD 80, FIAT PUNTO (188) 1.9 DS 60, FIAT PUNTO (188) 1.9 JTD, FIAT PUNTO (188) 1.2 Natural Power, FIAT PUNTO (188) 1.2 Bifuel, FIAT PUNTO (188) 1.2 Bipower (188BXA1A), FIAT PUNTO (188) 1.2 Natural Power (188BXA1A)

The steps may slightly vary depending on the car design.





REPLACEMENT: WHEEL CYLINDER – FIAT PUNTO 188. TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 10
- Drive socket # 12
- Combination spanner №8
- Flare Nut Wrench № 11
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Flat screwdriver
- Wheel chock

BUY TOOLS




Replacement: wheel cylinder – Fiat Punto 188. AUTODOC experts recommend:

- Replace the wheel brake cylinders of the rear drum brakes in pairs.
- The replacement procedure is identical for the right and left wheel brake cylinders of the rear drum brakes.
- All work should be done with the engine stopped.

REPLACEMENT: WHEEL CYLINDER – FIAT PUNTO 188. TAKE THE FOLLOWING STEPS:

1. Secure the wheels with chocks.
2. Loosen the wheel mounting bolts. Use wheel impact socket #17.
3. Raise the rear of the car and secure on supports.
4. Unscrew the wheel bolts.



Replacement: wheel cylinder – Fiat Punto 188. Tip from AUTODOC:

- To avoid injury, hold up the wheel when unscrewing the bolts.





5 Remove the wheel.



6.1 Unscrew the brake drum fastening.



6.2 Use a drive socket #12.



6.3 Use a ratchet wrench.

7 Remove the brake drum.







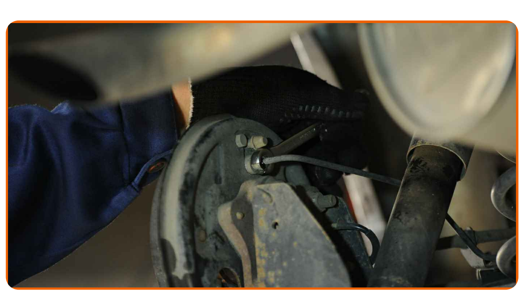
Replacement: wheel cylinder – Fiat Punto 188. AUTODOC recommends:



- Examine the brake drum. Replace it if necessary.

8

Disconnect the hydraulic line from the wheel cylinder back. Use a flare nut spanner #11.



Replacement: wheel cylinder – Fiat Punto 188. Professionals recommend:

- Immediately plug the brake line open end to prevent fluid leakage and ingress of dirt into the hydraulic system.

9

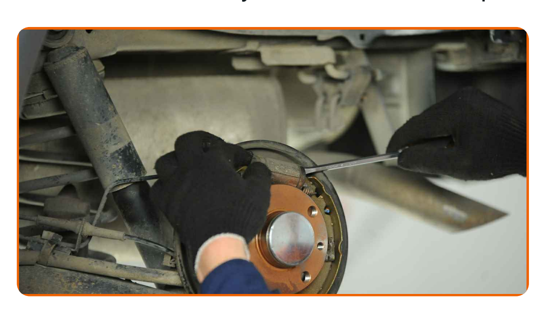
Unscrew the brake cylinder fastening bolt. Use a drive socket #10. Use a ratchet wrench.







10.1 Remove the brake cylinder from the backplate.



10.2 Use a flat screwdriver.



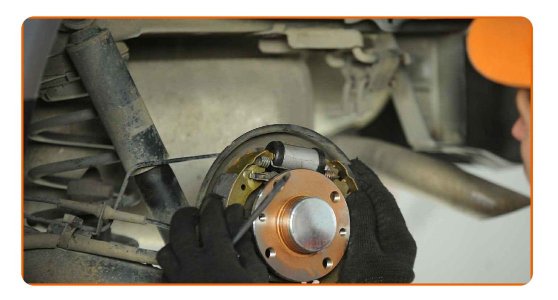
11 Clean the brake drum. Use a wire brush. Use WD-40 spray.

12 Clean the brake pipe attachment spot and the brake drum fastening bolts on Fiat Punto 188.

13.1 Install a new brake cylinder.



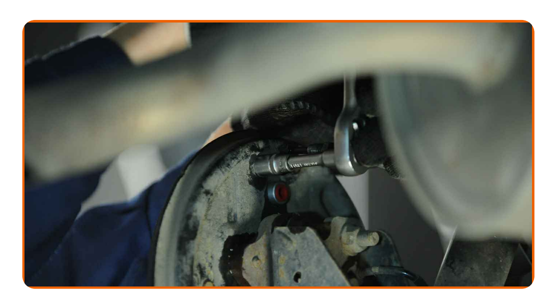
13.2 Use a flat screwdriver.







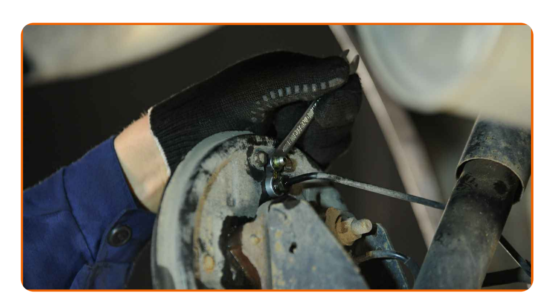
14 Screw the brake cylinder fastening bolts. Use a drive socket #10. Use a ratchet wrench.



15 Connect the hydraulic line to the wheel cylinder back. Use a flare nut spanner #11.



16 Bleed the brake cylinder system. Use a combination spanner #8.



Replacement: wheel cylinder – Fiat Punto 188. Tip:

- Make sure to set the protection cap on the bleeder valve.

17 Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.





18 Install the brake drum and fasten it.



19 Tigten the brake drum fasteners. Use a drive socket #12. Use a torque wrench. Tighten it to 15 Nm torque.



20 Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.

21 Install the wheel.



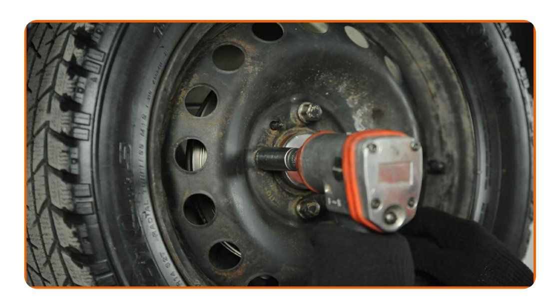
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Fiat Punto 188



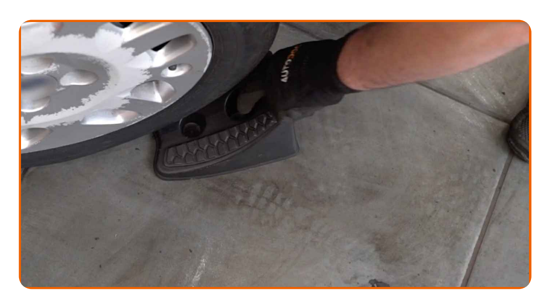


22 Screw in the wheel bolts. Use wheel impact socket #17.



23 Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 98 nm torque.

24 Remove the jacks and chocks.



Replacement: wheel cylinder – Fiat Punto 188. Tip from AUTODOC experts:

- Bleed the brake system after replacing the cylinder on Fiat Punto 188.
- Check the brake fluid level in the expansion tank and refill if necessary.
- Perform test braking when driving at an average speed, the Fiat Punto 188 should not pull to one side.

WELL DONE!

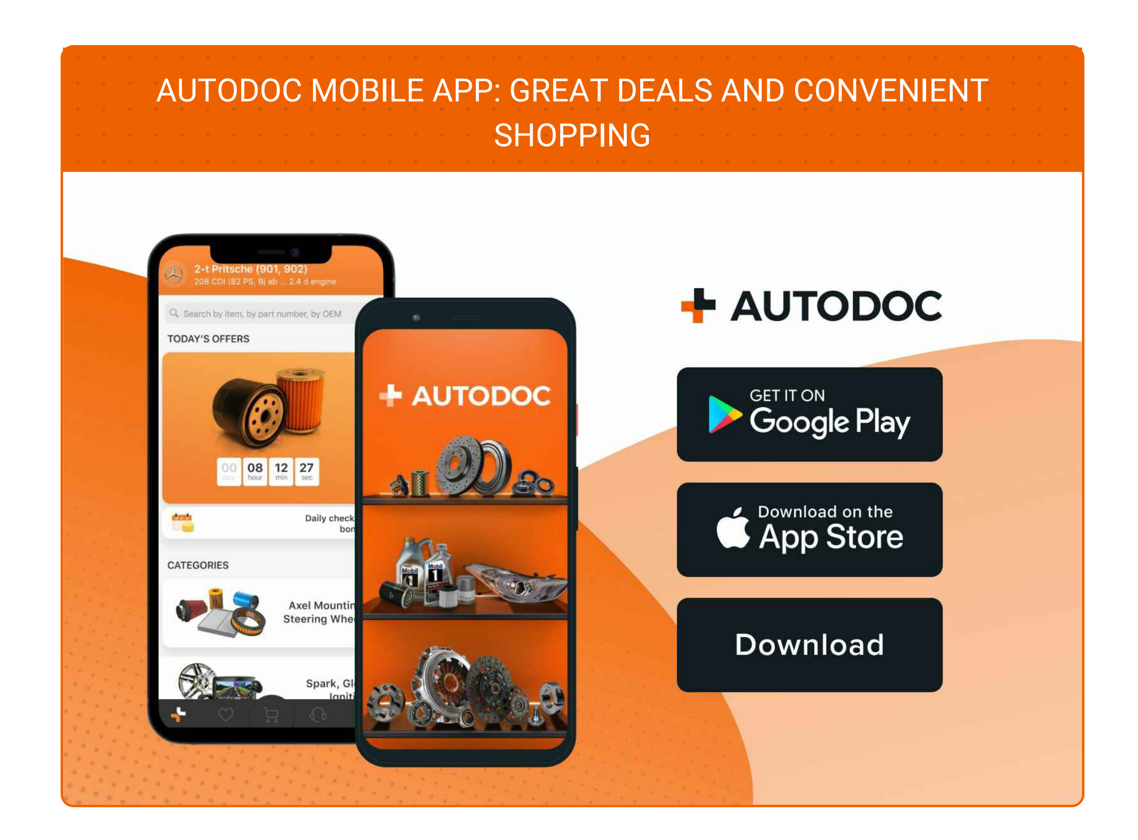


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